



COMMONWEALTH of VIRGINIA

Molly Joseph Ward
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY
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August 15, 2016

Michael Jones
Operations Manager
Intertape Polymer Corporation
1101 Eagle Springs Road
Danville, Virginia 24540

Location: Danville, VA
Registration No.: 30823
Air Number: 51-143-00109

Dear Mr. Jones:

Attached is a permit to operate your facility pursuant to 9VAC5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on May 23, 2016 and solicited written public comments by placing a newspaper advertisement in The Danville Register & Bee on June 23, 2016. The thirty day comment period (provided for in 9VAC5-80-670) expired on July 25, 2016 with no comments having been received in this office.

This approval to operate does not relieve Intertape Polymer Corporation of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9VAC5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call Terry Moore at 434-582-6251.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert J. Weld", is written over a horizontal line.

Robert J. Weld
Regional Director

Attachment: Permit
Source Testing Report Format

cc: Director, OAPP (electronic file submission)
Manager, Data Analysis (electronic file submission)
Manager/Inspector, Air Compliance



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Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name: Intertape Polymer Corporation
Facility Name: Intertape Polymer Corporation
Facility Location: 1101 Eagle Springs Road
Danville, Virginia

Registration Number: 30823
Permit Number: BRRO-30823

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Pages 5 through 31)

August 15, 2016

Effective Date

Robert J. Weld
Regional Director

August 14, 2021

Expiration Date

Signature Date

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Facility Information

Permittee
Intertape Polymer Corporation
1101 Eagle Springs Road
Danville, Virginia 24540

Responsible Official
David Bennett
Director of Carton Sealing Tape Operations

Facility
Intertape Polymer Corporation
1101 Eagle Springs Road
Danville, Virginia 24540

Contact Person
Michael Jones
Operations Manager
434-773-4343

County-Plant Identification Number: 51-143-00109

Facility Description: NAICS 326113 - Intertape manufactures polypropylene based adhesive tape and polyethylene based stretch film.

Emission Units

Equipment to be operated consists of:

| Emission Unit ID | Stack ID | Emission Unit Description | Size/Rated Capacity* | Pollution Control Device (PCD) Description | PCD ID | Pollutant Controlled | Applicable Permit Document Date |
|-------------------------------|----------|---|------------------------------|--|--------|----------------------|---------------------------------|
| Fuel Burning Equipment | | | | | | | |
| 1F | 1S | Cleaver Brooks 125 HP | 5.23 MMBtu/hr Natural gas | - | - | - | - |
| 6F | | Four Hot Oil Heaters used in Extrusion | Natural gas | - | - | - | - |
| 6F Unit 4 | 6-4S | First Thermal Heater No. 1 | 3.02 MMBtu/hr | - | - | - | - |
| 6F Unit 7 | 6-7S | First Thermal Heater No. 2 | 3.02 MMBtu/hr | - | - | - | - |
| 6F Unit 2 | 6-2S | Thermal Heater No. 1 | 2.38 MMBtu/hr | - | - | - | - |
| 6F Unit 6 | 6S | Thermal Heater No. 2 | 3.17 MMBtu/hr | - | - | - | - |
| 8F | 8S | First Thermal Hot Oil Heater used in Hot Melt | 3.0 MMBtu/hr Natural gas | - | - | - | - |
| 15F | 15-FS | Cleaver Brooks 2000 HP Boiler | 8.16 MMBtu/hr Natural gas | - | - | - | - |

| Hot Melt Adhesive Coating Line (#1) | | | | | | | |
|--|-----|--|---------------------------|--|-----|--------------|----------------|
| 1P | 2S | Hot Melt Coater, Solvent Coating | 0.407 tons/hr | Hoyt Carbon Adsorber, CAH 6- 12-2T | 2C | VOCs/toluene | March 10, 2000 |
| 2P | 2S | Hot Melt Coater, Solvent Drying | 0.407 tons/hr | Hoyt Carbon Adsorber, CAH 6- 12-2T | 2C | VOCs/toluene | March 10, 2000 |
| 3P | 2S | Hot Melt Coater, Adhesive Compounding | 2 ton/hr | Hoyt Carbon Adsorber, CAH 6- 12-2T | 3C | VOCs/toluene | March 10, 2000 |
| 4P | 2S | Hot Melt Solvent Mixing | 0.407 tons/hr | Hoyt Carbon Adsorber, CAH 6- 12-2T | 2C | VOCs/toluene | March 10, 2000 |
| 6P | 2S | Hot Melt Coater, adhesive coating | 2.2 tons/hr | Hoyt Carbon Adsorber, CAH 6- 12-2T | 2C | VOCs/toluene | March 10, 2000 |
| Acrylic Adhesive Coating Line (#2) | | | | | | | |
| 8P | 11S | 2 - 500 gal closed mixing churns | 0.167 tons/hr | Baron Blakeslee Carbon Adsorber | 11C | VOCs/toluene | March 10, 2000 |
| 9P | 11S | Acrylic Coater machine, Black Clawson, 2.2 M web | 39,600 m ² /hr | Baron Blakeslee Carbon Adsorber | 11C | VOCs/toluene | March 10, 2000 |
| 10P | 11S | Solvent release coating, Black Clawson, 2.2 M web | 0.15 tons/hr | Baron Blakeslee Carbon Adsorber | 11C | VOCs/toluene | March 10, 2000 |
| 11P | 11S | Solvent Drying, Black Clawson, 2.2 M web | 0.15 tons/hr | Baron Blakeslee Carbon Adsorber | 11C | VOCs/toluene | March 10, 2000 |

| | | | | | | | |
|----------------------|-----|--|--------------|---------------------------------|-----|--------------|----------------|
| 12P | 11S | Acrylic adhesive coating station, Black Clawson, 2.2 M web | 1.43 tons/hr | Baron Blakeslee Carbon Adsorber | 11C | VOCs/toluene | March 10, 2000 |
| Storage Tanks | | | | | | | |
| 1T | | Toluene Storage Tank | 6,000 gal | - | - | - | - |
| 2T | | Toluene Storage Tank | 8,000 gal | - | - | - | - |
| 4T | | Polybutene H-300 storage tank | 12,000 gal | - | - | - | - |
| 5T | | Resin storage tank (heated) | 25,000 gal | - | - | - | - |
| 6T | | Resin storage tank (heated) | 25,000 gal | - | - | - | - |

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Process Equipment Requirements - (Adhesive Coating Lines, #1-Hot Melt (1P, 2P, 3P, 4P, 6P) and #2-Acrylic (8P, 9P, 10P, 11P, and 12P)

There are also requirements for the Hot Melt Adhesive Coating Line (#1) and the Acrylic Adhesive Coating Line (#2) in the **Paper and Other Web Coating (POWC) MACT Requirements (40 CFR 63 Subpart JJJJ) Conditions 22 through 32.**

Limitations

1. **Process Equipment Requirements - (#1-Hot Melt) - Limitations** - Volatile organic compound (VOC) emissions from the #1 (hot melt) adhesive coating line (which includes solvent tanks, mixing tanks, release coating application unit and ovens) shall be controlled by a carbon bed adsorption system. The adhesive coating line and the carbon adsorption units shall be provided with adequate access for inspection.
(9VAC5-80-110 and Condition 4 of 3/10/00 Permit Document)
2. **Process Equipment Requirements - (#2-Acrylic) - Limitations** - Volatile organic compound (VOC) emissions from the #2 (acrylic) adhesive coating line (which includes solvent tanks, mixing tanks, release coating application unit and ovens) shall be controlled by a carbon bed adsorption system. The adhesive coating line and the carbon adsorption unit shall be provided with adequate access for inspection.
(9VAC5-80-110 and Condition 5 of 3/10/00 Permit Document)
3. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** – The permittee shall:
 - a. Cause the discharge into the atmosphere from each coating line not more than 0.20 kg VOC/kg of coating solids applied as calculated on a weighted average basis for one calendar month; or
 - b. Demonstrate for each coating line
 - i. A 90 percent overall VOC emission reduction as calculated over a calendar month; or
 - ii. The percent overall VOC emission reduction specified in 40 CFR 60.443(b) as calculated over a calendar month.

(9VAC5-80-110, 40 CFR 60.442 and Condition 10 of 3/10/00 Permit Document)

4. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - To determine compliance with Condition 3.a, the permittee shall calculate a weighted average of the mass of solvent used per mass of coating solids applied for a one calendar month period according to the following procedures:

- a. determine the weight fraction of organics and the weight fraction of solids of each coating applied to each coating line by using Reference Method 24 (40 CFR 60 Subpart A) or by the coating manufacturer's formulation data.
- b. compute the weighted average by the following equation:

$$G = \frac{\sum_{i=1}^n W_{oi} M_{ci}}{\sum_{i=1}^n W_{si} M_{ci}} \quad \text{where}$$

G = the calculated weighted average mass (kg) of VOC per mass (kg) of coating solids applied each calendar month

W_{oi} = the weight fraction of organics applied of each coating (i) applied during each calendar month as determined from Reference Method 24 or manufacturer's formulation data

M_{ci} = the total mass (kg) of each coating (i) applied during the calendar month as determined from facility records

W_{si} = the weight fraction of solids applied of each coating (i) applied during a calendar month as determined from Reference Method 24 or manufacturer's formulation data

- c. for each coating line where the value of G is less than or equal to 0.20 kg VOC per kg of coating solids applied, the coating line is in compliance with Condition 3.a.

(9VAC5-80-110, 40 CFR 60.443(a) and Condition 11 of 3/10/00 Permit Document)

5. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - To determine compliance with Condition 3.b, the permittee shall calculate the required overall VOC emission reduction according to the following equation:

$$R_q = \frac{G - 0.20}{G} \times 100 \quad \text{where } R_q = \text{the required overall VOC emission reduction (in percent)}$$

If R_q is less than or equal to 90 percent, then the required overall VOC emission reduction is R_q . If R_q is greater than 90 percent, then the required overall VOC emission reduction is 90 percent.

(9VAC5-80-110, 40 CFR 60.443(b) and Condition 12 of 3/10/00 Permit Document)

6. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - The permittee shall determine the overall VOC emission reduction for each calendar month for each coating line by the following equation:

$$R = \sum_{i=1}^n \frac{M_r}{W_{oi}M_{ci}} \times 100$$

where R = the overall VOC emission reduction achieved for a calendar month (in percent)
 M_r = the total mass (kg) of solvent recovered for a calendar month

If the R value is equal to or greater than the R_q value calculated per Condition 5, then compliance with Condition 3.b is demonstrated

(9VAC5-80-110, 40 CFR 60.443(c) and Condition 13 of 3/10/00 Permit Document)

7. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - Compliance with the VOC emission limitation and percentage reduction requirements under 40 CFR 60.442, as in Condition 3, is based on the average emission reduction for one calendar month. A separate compliance test is completed at the end of each calendar month, and a new calendar month's average VOC emission reduction is calculated to show compliance with the standard.

(9VAC5-80-110, 40 CFR 60.443(f) and Condition 14 of 3/10/00 Permit Document)

8. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - Startups and shutdowns are normal operation for this source category. Emissions from these operations are to be included when determining if the standard specified in Condition 3.b is being attained.

(9VAC5-80-110, 40 CFR 60.443(j) and Condition 15 of 3/10/00 Permit Document)

9. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - The annual emissions from the operation of the adhesive tape manufacturing facility shall not exceed the limits specified below:

| | |
|----------------------------|-------------|
| Volatile Organic Compounds | 241 tons/yr |
| Toluene | 241 tons/yr |

(9VAC5-80-110 and Condition 17 of 3/10/00 Permit Document)

10. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Limitations** - Compliance with the annual emission limits in Condition 9 shall be determined by material balance each calendar month as follow:

- a. Add toluene purchases to opening toluene inventory in gallons.
- b. Subtract from a. the closing toluene inventory and the amount of toluene disposed of off site, in gallons.
- c. Determine the toluene losses each month by converting the result of "b" above to tons using a conversion factor of 0.003625 tons per gallon.

(9VAC5-80-110 and Condition 18 of 3/10/00 Permit Document)

Monitoring

11. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Monitoring** - Each of the carbon adsorption systems shall be equipped with a device which continuously measures the VOC concentration of the exhaust gas in ppmv to indicate breakthrough. The permittee shall maintain records of the manufacturer's recommendations for carbon bed replacement and records of actual carbon bed replacement.

(9VAC5-80-110 and Condition 6 of 3/10/00 Permit Document)

12. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Monitoring** - The permittee shall develop a VOC Emissions Monitoring Plan which addresses the proper monitoring, recordkeeping, and reporting parameters necessary to demonstrate compliance with the conditions established within this permit. The Monitoring Plan shall be maintained at the facility and made available to Department personnel upon request. This plan shall be updated to reflect changes in monitoring parameters, operations, and equipment prior to the initiation of these changes. The content and format of the Monitoring Plan shall be arranged with the Blue Ridge Regional Office.

(9VAC5-80-110 and Condition 20 of 3/10/00 Permit Document)

13. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Monitoring** - In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment, the permittee shall.

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
- b. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns

(9VAC5-80-110 and Condition 25 of 3/10/00 Permit Document)

Recordkeeping

14. Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Recordkeeping -

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:

- a. A calendar month record of all coatings used and the results of the reference test method specified in 40 CFR 60.446(a) or the manufacturer's formulation data used for determining the VOC content of those coatings.
- b. A calendar month record of the amount of toluene applied to each coating line.
- c. A calendar month record of the amount of toluene recovered by carbon adsorption on each coating line.
- d. Records of the results of the monthly compliance demonstrations as required by Condition 7.
- e. The installation date and calibration date for each solvent application and recovery monitoring device required in Condition 16.c.
- f. A 12-month rolling total of the toluene emissions calculated by material balance for the overall facility using the procedure in Condition 10.

All records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110, 40 CFR 60.445 and Condition 21 of 3/10/00 Permit Document)

Testing

15. Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Testing - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.

(9VAC5-80-110 and Condition 7 of 3/10/00 Permit Document)

16. Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Testing - Each performance test shall be conducted as follows:

- a. each performance test shall be a one calendar month test and not the average of three runs as specified in 40 CFR 60.8(f).

- b. the weighted average mass of VOC applied per mass of coating solids applied for a one calendar month period shall be determined as specified in 40 CFR 60.443(a)(1) and (2). This procedure is also contained in Condition 4. If this value is less than 0.2 kg VOC applied per kg of coating solids applied, the coating line is in compliance. If not, calculate the required percent overall VOC emission reduction as specified in 40 CFR 60.443(b) or (c), as appropriate.
- c. to determine the mass of VOC applied and recovered:
 - i. The permittee shall install, calibrate, maintain, and operate a monitoring device for indicating the cumulative amount of VOC applied to each coating line during each calendar month.
 - ii. The permittee shall install, calibrate, maintain, and operate a monitoring device for indicating the cumulative amount of VOC recovered by each carbon adsorption system during each calendar month.
 - iii. Each monitoring device required by this condition shall be accurate within +/- 2 percent.

(9VAC5-80-110, 40 CFR 60.444, 40 CFR 60.446 and Condition 9 of 3/10/00 Permit Document)

Reporting

- 17. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Reporting -** The permittee shall submit quarterly reports to the Blue Ridge Regional Office of exceedances of the VOC emission limits for each coating line. If no such exceedances occur during a particular quarter, a report stating this shall be submitted semiannually.
(9VAC5-80-110, 40 CFR 60.447(b) and Condition 16 of 3/10/00 Permit Document)

General

- 18. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Permit -** A copy of the March 10, 2000 permit shall be maintained on the premises of the facility to which it applies.
(9VAC5-80-110 and Condition 30 of 3/10/00 Permit Document)
- 19. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Modify Permit-** The March 10, 2000 permit may be modified or revoked in whole or in part for cause, including, but not limited to, the following:
 - a. Violation of any terms or conditions of the March 10, 2000 permit;
 - b. Obtaining the March 10, 2000 permit by misrepresentation of failure to disclose fully all relevant facts;

- c. A change in any condition that requires either a temporary or permanent reduction or elimination of a permitted discharge; or
- d. Information that the permitted discharge of any pollutant poses a threat to human health, welfare, or the environment.

(9VAC5-80-110 and Condition 22 of 3/10/00 Permit Document)

20. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Change In Ownership** - In the event of any change in control of ownership of the permitted source, the permittee shall notify the succeeding owner of the existence of the March 10, 2000 permit by letter and send a copy of that letter to the Blue Ridge Regional Office.
(9VAC5-80-110 and Condition 28 of 3/10/00 Permit Document)

21. **Process Equipment Requirements - (#1-Hot Melt and #2-Acrylic) - Emissions Data Reporting** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate your prompt response to requests for information to include, as appropriate: process and production data; changes in control equipment, and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, §10.1-1314 (addressing information provided to the Board), and VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.
(9VAC5-80-110 and Condition 29 of 3/10/00 Permit Document)

National Emission Standards for Hazardous Air Pollutants for Paper and Other Web Coating (POWC) MACT 40 CFR 63 Subpart JJJJ

The affected source subject to Subpart JJJJ is the collection of all web coating lines (Adhesive Coating Lines #1-Hot Melt and #2-Acrylic) at the permitted facility. All terms used in section of this permit that are not defined in 40 CFR 63.3340 have the meaning given to them in the Clean Air Act (CAA) and in Subpart A of 40 CFR 63.

Limitations

22. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Limitations - Combinations of control.** Since the permitted facility operates more than one control device, the permittee must calculate organic HAP emissions according to the procedures in Condition 23 of this permit, and use the calculation procedures specified in Condition 24 of this permit to convert the monitoring and other data into units of the selected control option in paragraphs (e) through (h) of 40 CFR 63.3370. Use the procedures specified in Condition 25 of this permit to demonstrate compliance.
(9VAC5-80-110 and 40 CFR 63.3370(n))

23. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Limitations - Solvent recovery system using liquid-liquid material balance compliance demonstration.** Since the permittee chooses to comply by means of a liquid-liquid material balance for each solvent recovery system used to control a web coating line, the permittee must determine the organic HAP emissions for each web coating line controlled by that solvent recovery system in accordance with the following paragraphs of 40 CFR 63.3370.

- a. (i)(1)(i) – determine the mass of each coating material applied;
- b. (i)(1)(ii) – determine the organic HAP content of each coating material as-applied;
- c. (i)(1)(iii) – determine the volatile organic content of each coating material as-applied;
- d. (i)(1)(v) – determine and monitor the amount of volatile organic matter recovered;
- e. (i)(1)(vi) – calculate the volatile organic matter collection and recovery efficiency;
and
- f. (i)(1)(vii) – calculate the organic HAP emitted.

(9VAC5-80-110, 40 CFR 63.3370(i), and 40 CFR 63.3370(n)(1))

24. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Limitations** - Convert the information obtained under Condition 23 of this permit into the units of the selected compliance option using the calculation procedures specified in the following paragraphs of 40 CFR 63.3370.

- a. (n)(5)(i) - organic HAP emitted;
- b. (n)(5)(ii) - coating solids applied;
- c. (n)(5)(iii) - organic HAP emission rate based on coating solids applied; and
- d. (n)(5)(iv) - organic HAP based on materials applied.

(9VAC5-80-110 and 40 CFR 63.3370(n))

25. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Limitations** - The affected source is in compliance with the emission standards in 40 CFR 63.3320(b) for the month if all operating parameters required to be monitored under Condition 23 of this permit were maintained at the values established under 40 CFR 63.3350 (monitoring) and 40 CFR 63.3360 (performance tests); and

- a. The total mass of organic HAP emitted by the affected source based on coating solids applied is no more than 0.20 kg organic HAP per kg coating solids applied; or
- b. The total mass of organic HAP emitted by the affected source based on material applied is no more than 0.04 kg organic HAP per kg material applied; or
- c. The total mass of organic HAP emitted by the affected source during the month is less than the calculated allowable organic HAP as determined using paragraph (l) of 40 CFR 63.3370; or
- d. The total mass of organic HAP emitted by the affected source was not more than 5 percent of the total mass of organic HAP applied for the month at the permitted facility. The total mass of organic HAP applied by the affected source in the month must be determined using Equation 6 of 40 CFR 63.3370.

(9VAC5-80-110, 40 CFR 63.3320, and 40 CFR 63.3370(n)(6))

Monitoring

26. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Monitoring** - Following the compliance date, the permittee must monitor and inspect each control device used to comply with 40 CFR 63.3320 (emission standards and compliance dates). The permittee must install and operate the monitoring equipment as specified in Condition 27 of this permit.
(9VAC5-80-110 and 40 CFR 63.3350(b))
27. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Monitoring** - The permittee must install, calibrate, maintain, and operate according to the manufacturer's specifications a device that indicates the cumulative amount of volatile matter recovered by the solvent recovery device on a monthly basis. The device must be certified by the manufacturer to be accurate to within +/-2.0 percent by mass.
(9VAC5-80-110 and 40 CFR 63.3350(d)(2))

Recordkeeping

28. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Recordkeeping** - The permittee must maintain the records specified below on a monthly basis in accordance with the requirements of 40 CFR 63.10(b)(1):
 - a. Records specified in 40 CFR 63.10(b)(2) of all measurements needed to demonstrate compliance with Subpart JJJJ, including:
 - i. Organic HAP content data for the purpose of demonstrating compliance in accordance with the requirements of 40 CFR 63.3360(c))

- ii. Volatile matter and coating solids content data for the purpose of demonstrating compliance in accordance with the requirements of 40 CFR 63.3360(d))
- iii. Material usage, organic HAP usage, volatile matter usage, and coating solids usage and compliance demonstrations using these data in accordance with the requirements of 40 CFR 63.3370(b), (c), and (d)

(9VAC5-80-110 and 40 CFR 63.3410(a))

29. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Recordkeeping** - The permittee must maintain records of all liquid-liquid material balances performed in accordance with the requirements of 40 CFR 63.3370. The records must be maintained in accordance with the requirements of 40 CFR 63.3410(b).
(9 VAC 5-80-110 and 40 CFR 63.3410(b))

Testing

30. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Testing** - The permittee is not required to conduct a performance test to demonstrate compliance since the control device is a solvent recovery system and the permittee will comply by means of a monthly liquid-liquid material balance.
(9VAC5-80-110 and 40 CFR 63.3360(b))

Reporting

31. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Reporting** - The permittee must submit a semiannual compliance report according to the following requirements specified in 40 CFR 63.3400(c)(1) and (2)
- a. The first compliance report, as specified in 40 CFR 63.3400(c)(1)(i) and (ii)
 - b. Each subsequent compliance report, as specified in 40 CFR 63.3400(c)(1)(iii) and (iv)
 - c. Since the permitted facility is subject to permitting regulations pursuant to 40 CFR part 70, and the Virginia Department of Environmental Quality has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A), the permittee may submit the first and subsequent compliance reports according to the dates shown in Condition 57 instead of according to the dates in Conditions 31.a and 31.b of this permit
 - d. Each compliance report must contain the information specified below:
 - i. Company name and address
 - ii. Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report.

- iii. Date of report and beginning and ending dates of the reporting period.
- iv. If there are no deviations from any emission limitations (emission limit or operating limit) that apply to the permittee, a statement that there were no deviations from the emission limitations during the reporting period, and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.
- v. For each deviation from an emission limitation (emission limit or operating limit) that applies to the permittee, the compliance report must contain the following information:
 - (a) The total operating time of each affected source during the reporting period.
 - (b) Information on the number, duration, and cause of deviations (including unknown cause), if applicable, and the corrective action taken.
 - (c) Information on the number, duration, and cause for CMS downtime incidents, if applicable, other than downtime associated with zero and span and other calibration checks

(9 VAC 5-80-110 and 40 CFR 63.3400(c))

32. **MACT Subpart JJJJ Requirements - (Adhesive Coating Lines, #1-Hot Melt and #2-Acrylic) - Reporting** - The permittee must submit startup, shutdown, and malfunction reports as specified in 40 CFR 63.10(d)(5), except that the provisions in Subpart A of 40 CFR 63 pertaining to startups, shutdowns, and malfunctions do not apply unless a control device is used to comply with Subpart JJJJ.

(9 VAC 5-80-110 and 40 CFR 63.3400(g))

National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters MACT Subpart DDDDD

Limitations and Work Practices

33. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Limitations** - The following boilers and process heaters are units designed to burn gas 1 fuels, as defined in 40 CFR 63.7575, and are subject to applicable requirements of 40 CFR 63 Subpart DDDDD:

- a. Boilers 1F and 15F
- b. Four process heaters (Emission Unit 6F) used in Extrusion

- i. One First Thermal Hot Oil Heater (Unit 7)
 - ii. One First Thermal Hot Oil Heater (Unit 4)
 - iii. Two Thermal Heaters (Units 2 and 6)
- c. One process heater (Emission Unit 8F – First Thermal Hot Oil Heater) used in Hot Melt

(9VAC5-80-110, 40 CFR 63.7499(l), 40 CFR 63.7485 and 40 CFR 63.7490)

34. **MACT Subpart DDDDD Requirements - (Subpart DDDDD Process Heater) - Limitations** - The Process Heaters listed in Condition 33 meet the definition of process heater in 40 CFR 63.7575.

(9VAC5-80-110 and 40 CFR 63 Subpart DDDDD)

35. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Work Practices** - The permittee must have a one-time energy assessment for the boilers and process heaters listed in Condition 33, except for the process heater Unit 7. The assessment must be performed as stated in Table 3 to 40 CFR 63 Subpart DDDDD; and apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with Table 3 to 40 CFR 63 Subpart DDDDD.

(9VAC5-80-110, 40 CFR 63.7500(a)(1), 40 CFR 63.7500(c), 40 CFR 63.7500(f) and 40 CFR 63 Subpart DDDDD)

36. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Work Practices** - The boilers and process heaters must complete a tune-up as specified in 40 CFR 63.7540 (a)(10)(i) through (vi) and as required below, unless US EPA approves the use of an alternative to the tune-ups as provided in 40 CFR 63.6(g). An initial tune-up must be completed as stated in Condition 39.

- a. For boilers listed in Condition 33 a tune-up must be completed every two years. Each 2-year tune-up must be done no more than 25 months after the previous tune-up.
(40 CFR 63.7500(a)(1), 40 CFR 63.7500(e) and 40 CFR 63.7515(d))
- b. For process heaters listed in Condition 33 a tune-up must be completed every 5 years. Each subsequent 5-year tune-up must be done no more than 61 months after the previous tune-up.
(40 CFR 63.7500(a)(1), 40 CFR 63.7500(e) and 40 CFR 63.7515(d))
- c. If the boiler or process heater is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.
(40 CFR 63.7540(a)(13))

- d. If the boiler or process heater has not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, the subsequent tune-up must be completed by following the procedures described in §63.7540(a)(10)(i) through (vi) and must be conducted within 30 calendar days of startup.
(40 CFR 63.7515(g) and 40 CFR 63.7540(a)(13))
- e. The tune-up work practice standard apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with the startup and shutdown recordkeeping and reporting requirements stated in Table 3 to 40 CFR 63 Subpart DDDDD as required in 40 CFR 63.7540(d). You must keep records during periods of startup and shutdown. You must provide reports concerning activities and periods of startup and shutdown, as specified in §63.7555.
(40 CFR 63 Subpart DDDDD)

(9VAC5-80-110)

37. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Limitations** - At all times, the permittee must operate and maintain any affected source (as defined in 40 CFR 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
(9VAC5-80-110 and 40 CFR 63.7500(a)(3))

Recordkeeping

38. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Recordkeeping** - The permittee shall maintain the following records for the purpose of 40 CFR Part 63 Subpart DDDDD:
- a. A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).
(40 CFR 63.7555(a))
 - b. Records of the tune-ups performed as required by Condition 36 and the initial energy assessment(s) required by Condition 35.
 - c. Records of the calendar date, time, occurrence and duration of each startup and shutdown, and the reports concerning activities and periods of startup and shutdown required by Condition 36.e.

(40 CFR 63.7555(i))

- d. Type(s) and amount(s) of fuels used during each startup and shutdown.
(40 CFR 63.7555(j))
- e. Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1)
(40 CFR 63.7560(a))
- f. As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record
(40 CFR 63.7560(b))
- g. You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.
(40 CFR 63.7560(c))
(9VAC5-80-110)

Compliance

39. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Initial Compliance** - The permittee must demonstrate initial compliance with initial tune-up requirements in Conditions 36 and the one-time energy assessment in Condition 35 as stated below:

- a. The boilers and process heaters listed in Conditions 33.a, 33.b.ii and 33.b.iii must complete an initial tune-up and one-time energy assessment no later than January 31, 2016, except as specified below in paragraph c.
(40 CFR 63.7510(e))
- b. The process heater listed in Condition 33.b.i must complete an initial tune-up within the 5-year schedule following the initial compliance date of December 1, 2010.
(40 CFR 63.7510(g))
- c. Boilers and process heaters listed in Conditions 33.a, 33.b.ii and 33.b.iii that have not operated between January 31, 2013 and January 31, 2016 must complete the initial tune-up no later than 30 days after the re-start of the affected boiler or process heater.
(40 CFR 63.7510(j))

(9VAC5-80-110 and 40 CFR 63.7505(a))

40. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Continuous Compliance** - The permittee must demonstrate continuous compliance with the work practice standards in Table 3 of 40 CFR Part 63 Subpart DDDDD by conducting tune-ups as required by 40 CFR 63.7540(a)(11), 40 CFR 63.7540(a)(12) and Condition 36. (9VAC5-80-110 and 40 CFR 63 Subpart DDDDD)
41. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - General Compliance** - The permittee must comply with work practice standards as stated in Conditions 35 and 36. These limits apply to you at all times the affected unit is operating except for the periods noted in 40 CFR 63.7500(f). (9VAC5-80-110 and 40 CFR 63.7505(a))

Reporting

42. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Reporting** - The permittee shall submit compliance reports per the applicable requirements stated in Table 9 to 40 CFR Subpart DDDDD and as required by 40 CFR 63.7550(b), 63.7550(c) and 63.7550(h). (9VAC5-80-110 and 40 CFR 63.7550(a))

Notifications

43. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Initial Compliance Notification** - For the units listed in Condition 33 the permittee must:
- a. Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.7545(e). (40 CFR 63.7530(f))
 - b. Submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit. (40 CFR 63.7530(d))
 - c. Include with the Notification of Compliance Status signed certification that the energy assessment was completed according to Table 3 to 40 CFR 63 Subpart DDDDD and is an accurate depiction of your facility at the time of the assessment. (40 CFR 63.7530(e))
- (9VAC5-80-110)
44. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Notifications** - The permittee must meet the notification requirements in 40 CFR 63.7545 according to the schedule in 40 CFR 63.7545 and in subpart A of 40 CFR Part 63. (9VAC5-80-110 and 40 CFR 63.7495(d))

General Provisions

45. **MACT Subpart DDDDD Requirements - (Subpart DDDDD emission unit) - Notifications** – The permittee shall comply with the applicable parts of the General Provisions in 40 CFR 63.1 through 63.15 as indicated in Table 10 to 40 CFR 63 Subpart DDDDD.
 (9VAC5-80-110 and 40 CFR 63.7565)

Insignificant Emission Units

46. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

| Emission Unit No. | Emission Unit Description | Citation (9VAC) | Pollutant(s) Emitted (9VAC 5-80-720B) | Rated Capacity (9VAC 5-80-720C) |
|-------------------|---|------------------|---------------------------------------|---------------------------------|
| 2F | Thirteen Gas Space heaters | 5-80-720 A | - | - |
| 3F | Six Flame Treaters in Extrusion, Prandi-Italy ESSECI | 5-80-720 C | - | 0.2 MMBtu/hr each |
| 4F | Two Make-up Air Units – AHU-1 | 5-80-720 C | - | 0.6 MMBtu/hr each |
| 7F | Two Office Heaters and A/C | 5-80-720 C | - | 0.25 MMBtu/hr |
| 10F | Four Maxxon Burners Natural gas fired used in Acrylic Coater Dryer (Designated Zones 1, 2, 3 and 4) | 5-80-720 C | - | 1.6 MMBtu/hr each |
| 11F-12F | Total of twenty space heaters | 5-80-720 A | - | - |
| 16F | Four Enercon Corona Treaters | 5-80-720 C | - | 4 kW Power |
| 3T | Naphthenic oil storage tank | 5-80-720 B | VOCs | - |
| 7T | Two Acrylic storage tanks | 5-80-720 B | VOCs | - |
| 5P | Six Polypropylene film extruders | 5-80-720 B | PM/PM-10 | - |
| 7P | Tape slitting for Hot Melt Line | 5-80-720 B | PM/PM-10 | - |
| 13P | Tape slitting for Acrylic Line | 5-80-720 B | PM/PM-10 | - |
| 14P-16P | Cast Extrusions | 5-80-720 B | PM/PM-10 | - |
| 17P-19P | Blown Extrusions | 5-80-720 B | PM/PM-10 | - |
| 22P | Fourteen Polyethylene resin storage silos | 5-80-720 B | PM/PM-10 | - |
| 23P | Ten Polypropylene resin storage silos | 5-80-720 B | PM/PM-10 | - |
| 21P&24P | Repelletizers | 5-80-720 B | PM/PM10 | - |
| 25P | Cast Extrusion | 5-80-720 B | PM/PM10 & VOCs | - |

| | | | | |
|-----|--------------------------------|------------|----------|---|
| 26P | Two Polyethylene storage silos | 5-80-720 B | PM/PM-10 | - |
| 8T | Process Oil Storage Tank | 5-80-720 B | VOCs | - |
| 9T | Used Oil Storage Tank | 5-80-720 B | VOCs | - |
| 27P | Repelletizer | 5-80-720 B | PM/PM-10 | - |

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

Permit Shield & Inapplicable Requirements

47. **Permit Shield & Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

| Citation | Title of Citation | Description of Applicability |
|------------------------|--|---|
| 40 CFR 63 Subpart EEEE | National Emission Standards for Hazardous Air Pollutants Organic Liquids Distribution -- | Not Applicable per 40 CFR §63.2338(c)(1) – Equipment excluded from the affected source. |

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
 (9VAC5-80-140)

General Conditions

48. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
 (9VAC5-80-110 N)

49. **General Conditions - Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
50. **General Conditions - Permit Expiration** - The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
(9VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9VAC 5-80-170 B)
51. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
52. **General Conditions - Permit Expiration** - No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
53. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
54. **General Conditions - Permit Expiration** - The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)

55. **General Conditions - Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a. The date, place as defined in the permit, and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(9VAC5-80-110 F)

56. **General Conditions - Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9VAC5-80-110 F)

57. **General Conditions - Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
- b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
 - i. Exceedance of emissions limitations or operational restrictions;
 - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
 - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9VAC5-80-110 F)

58. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
- b. The identification of each term or condition of the permit that is the basis of the certification;
- c. The compliance status;
- d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
- e. Consistent with subsection 9VAC5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
- f. Such other facts as the permit may require to determine the compliance status of the source; and
- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9VAC5-80-110 K.5)

59. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Director, Blue Ridge Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 57 of this permit.
(9VAC5-80-110 F.2 and 9VAC5-80-250)
60. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall (1) no later than four daytime business hours after the malfunction is discovered, notify the Director, Blue Ridge Regional Office of such failure or malfunction and (2) within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Blue Ridge Regional Office.
(9VAC5-20-180 C and Condition 24 of 3/10/00 Permit Document)
61. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9VAC5-80-110 G.1)
62. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9VAC5-80-110 G.2)
63. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9VAC5-80-110 G.3)

64. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9VAC5-80-190 and 9VAC5-80-260)
65. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9VAC5-80-110 G.5)
66. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9VAC5-80-110 G.6)
67. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9VAC5-80-110 K.1)
68. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9VAC5-80-50 through 9VAC5-80-300 was issued shall pay permit fees consistent with the requirements of 9VAC 5-80-310 through 9VAC5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9VAC5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9VAC -80-110 H, 9VAC5-80-340 C and 9VAC5-80-2340 B)
69. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
- d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
- e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-50-90)

70. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9VAC5-50-20 E)

71. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.

(9VAC5-80-110 J)

72. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
 - d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9VAC5-80-110 K.2 and Condition 22 of 3/10/00 Permit Document)

73. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:
- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
 - c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

(9VAC5-80-110 L)

74. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9VAC5-80-150 E)
75. **General Conditions - Transfer of Permits** - No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.
(9VAC5-80-160)
76. **General Conditions - Transfer of Permits** - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.
(9VAC5-80-160)
77. **General Conditions - Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.
(9VAC5-80-160)
78. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9VAC5-80-190 C and 9VAC5-80-260)
79. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9VAC5-80-80 E)

80. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)
81. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9VAC5-60-70 and 9VAC5-80-110 A.1)
82. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)
83. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9VAC5-80-110 I)
84. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.
 - b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
 - c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.

(9VAC5-80-110 I)

SOURCE TESTING REPORT FORMAT

Report Cover

1. Plant name and location
2. Units tested at source (indicate Ref. No. used by source in permit or registration)
3. Test Dates.
4. Tester; name, address and report date

Certification

1. Signed by team leader/certified observer (include certification date)
2. Signed by responsible company official
3. *Signed by reviewer

Copy of approved test protocol

Summary

1. Reason for testing
2. Test dates
3. Identification of unit tested & the maximum rated capacity
4. *For each emission unit, a table showing:
 - a. Operating rate
 - b. Test Methods
 - c. Pollutants tested
 - d. Test results for each run and the run average
 - e. Pollutant standard or limit
5. Summarized process and control equipment data for each run and the average, as required by the test protocol
6. A statement that test was conducted in accordance with the test protocol or identification & discussion of deviations, including the likely impact on results
7. Any other important information

Source Operation

1. Description of process and control devices
2. Process and control equipment flow diagram
3. Sampling port location and dimensioned cross section Attached protocol includes: sketch of stack (elevation view) showing sampling port locations, upstream and downstream flow disturbances and their distances from ports; and a sketch of stack (plan view) showing sampling ports, ducts entering the stack and stack diameter or dimensions

Test Results

1. Detailed test results for each run
2. *Sample calculations
3. *Description of collected samples, to include audits when applicable

Appendix

1. *Raw production data
2. *Raw field data
3. *Laboratory reports
4. *Chain of custody records for lab samples
5. *Calibration procedures and results
6. Project participants and titles
7. Observers' names (industry and agency)
8. Related correspondence
9. Standard procedures

* Not applicable to visible emission evaluations